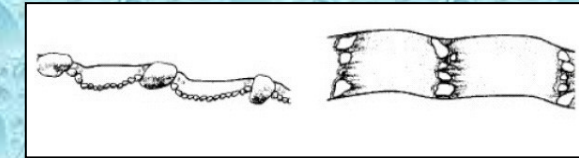
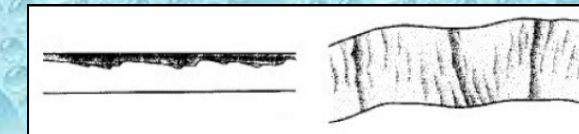


Step Pool , plaqn-bed and bedrock are the Mont-gomery and Buffington channel types found in the MC process group.



Step-pool shcematics



Plan-bed schematics

Moderate Gradient Contained Process Group

The MC channels are situated in middle to lower valley locations. These chan-nel types are moderate gradient (2-6%) streams where sediment transport is primary. Stream flow is completely contained by adjacent valley wall land-forms or bedrock upper banks. Riparian areas are limited to the stream bank influence zone, less than 30m (100ft). Bedforms are step-pool and bedrock control (Montgomery and Buffington, 1997). A bedrock channel bed with intermittent alluvial bed is common. Flow depth increased with increased flow volume as these are well contained channels with little to no lateral ad-justment.

Stream Gradient – 2 to 6 %  
Hydrologic Function: sediment transport (low retention)  
Stream Class: I or II

Channel Type	Label	Former label
Small Moderate Gradient Contained	MCS	MC1
Medium Moderate Gradient Contained	MCM	MC2, MC3
Large Moderate Gradient Contained	MCL	LC2



MC process group morphology features: Step pool, small gravel deposit, steep valley sideslopes.

TNF Habitat Variables for the MC-LC Process Groups

Variable	Percentiles	MC_LC Groups	Variable	Percen-tiles	MC_LC Groups
WD	25	9.2	RPD/CBW	25	0.04
	50	14.5		50	0.07
	75	21.0		75	0.08
TLWD/M	25	0.20	D50	25	38
	50	0.28		50	88
	75	0.42		75	158
TKWD/M	25	0.05	PLNGTH/M	25	0.20
	50	0.07		50	0.32
	75	0.09		75	0.51
POOLS/KM	25	30	REL_SUBMRG	25	4.2
	50	50		50	8.1
	75	60		75	20.7
POOL SPACE	25	2.2	POOL_SIZE	25	0.48
	50	3.7		50	0.72
	75	4.8		75	0.92

Management concern for:	MCS	MCM	MCL
Large Wood	Low	Moderate	Low
Sediment Retention	Low		
Stream Bank Stability	Low		
Sideslope Sensitivity	Low-High*		High
Flood Plain Protection	N/A		
Culvert Fish Passage	Low		
* The MCSr and MCMr can have high sideslope sensitivity			

